

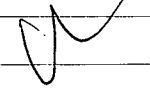
Work Order ID 87041

87041

Page 1

July-10-12 11:57:12 AM

Item ID: D119-646-214 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Float Skidtube w/ Training Wearplates, RH
 Start Date: 7/10/12 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 8/17/12 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan:  Date: Tooling: Date: Run Start *NR1*
 QC: Date: SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D119-646	B								
100		0.00							
100									
DC		0.00							
Document Control	Memo Photocopy bluefile & type labels per PPP D119-646-214 CHG001								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAV
16
2-23
12/08/03
-686

Hermes 12-7-10
Pto7

12/07/10
Pto7

DAV
16
2-23
12/08/03

W/O: 87041		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D119-646-214 PAR #: _____ Fault Category: Prod. Eng. Code NCR: Yes No DQA: Yes Date: 12/08/80
 Resolution: _____ Disposition: Re-work QA: N/C Closed Date: 12/11/81

NCR: 12-1772		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
12/08/80	# 700	wrong qty on w/o. Rc. 10A when create w/o.	S 12/08/80 as per	Any 60C10L (was 1149 03322P) Should be qty 45 per lot Perme expands update BOM # 40/2. add copy of BOM # 12.08.80		12/08/80 12/08/80	S 12/08/80 as per	S 12/07/81

NOTE: Date & initial all entries

Work Order ID 87041***87041***

Page 2

July-10-12 11:57:12 AM

Item ID: D119-646-214

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Float Skidtube w/ Training Wearplates, RH

Start Date: 7/10/12 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 8/17/12 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130

0.00

130

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D119-646-214

Location: _____

PPP rev: _____

12/8/13

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

*12/8/13**1208-10*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

July-10-12 11:57:12 AM

Page 1

Work Order ID: 87041

Parent Item: D119-646-214

Parent Item Name: Float Skidtube w/ Training Wearplates, RH

Start Date: 7/10/12

Required Date: 8/17/12

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP RevA: New issue DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
5 12/05/12 D119-646-243 Replacement Float Skidtube w/ Training Wearplates		Manufactured	No			110	Each	0.0000	1	1		50541	h
D119-646-311 Ground Handling		Manufactured	No			110	Each	1.0000	1	1		20	h
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				FG		1							
				74798		1				74798			
6 D3883-2 Saddle, Outboard RH		Manufactured	No			110	Each	2.0000	2	2		20	h
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST429		2							
				74826		2				74826			
5 D3884-2 Saddle, Inboard RH		Manufactured	No			110	Each	3.0000	2	2		20	h
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST424		2							
				74822		2				74822			
				ST429		1							
				53051		1							
6 D2652 Bushing		Manufactured	No			110	Each	179.0000	16	16		20 12/07/10	h
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				FG		44							
				31985		44							
				ST013		135							
				73836		36							
				81951		61							
				83744		38				83744			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

July-10-12 11:57:12 AM

Page 2

Work Order ID: 87041

Parent Item: D119-646-214

Parent Item Name: Float Skidtube w/ Training Wearplates, RH

Start Date: 7/10/12

Required Date: 8/17/12

Start Qty: 1.00

Required Qty: 1.00

AN3C50A
Bolt Purchased No

110 Each 50.0000

8

8

JB

Location

Loc Qty

Loc Code

ST355

50

112761

20

114442

5

120447

25

1x112761
1x114442

AN4C6A
Bolt Purchased No

110 Each 423.0000

18

18

JB

Location

Loc Qty

Loc Code

FG

4

103344

4

ST356

419

116704

2

120423

1

121657

416

121657

MS21250-05-006
BOLT Purchased No

110 Each 20.0000

8

8

JB

Location

Loc Qty

Loc Code

ST305

20

112657

10

120747

10

112657

AN960C10L
washer NAS1149C0332R Purchased No

110 Each 21.0000

18

17

JB

Location

Loc Qty

Loc Code

ST

21

107534

21

AN960C416L
WASHER NAS1149C0432R Purchased No

110 Each 0.0000

28

30

JB

AN960C516L
WASHER NAS1149C0532R Purchased No

110 Each 0.0000

8

8

JB

12/07/10

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Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

July-10-12 11:57:12 AM

Page 3

Work Order ID: 87041

Parent Item: D119-646-214

Parent Item Name: Float Skidtube w/ Training Wearplates, RH

Start Date: 7/10/12

Required Date: 8/17/12

Start Qty: 1.00

Required Qty: 1.00

MS21043-3
Nut

Purchased No

110 Each 1,094.0000

8

8

Location	Loc Qty	Loc Code
FG	72	
103691	72	
ST301	1022	
118077	2	
118614	12	
118686	30	
119758	20	
121255	101	121255
121708	857	

MS21043-4
Nut

Purchased No

110 Each 1,779.0000

13

13

Location	Loc Qty	Loc Code
FG	40	
104603	40	
ST301	739	
119546	4	
121162	295	121162
121652	440	
ST318	1000	
122141	1000	

D2712
Set Screw

Manufactured No

110 Each 621.0000

12

12

Location	Loc Qty	Loc Code
FG	50	
29962	50	
ST017	571	81871
81871	71	
83559	250	
84433	250	

July-10-12 11:57:12 AM

Shop Packet Print

Page 3

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

July-10-12 11:57:12 AM

Page 4

Work Order ID: 87041

Parent Item: D119-646-214

Start Date: 7/10/12

Required Date: 8/17/12

Parent Item Name: Flcat Skidtube w/ Training Wearplates, RH

Start Qty: 1.00

Required Qty: 1.00

D3672-7
Phenolic Washer

Manufactured No

110 Each 712.0000

24 24 ✓ JB

Location

Loc Qty

Loc Code

ST060

712

73488

16

76279

196

81872

500

76279

D3672-3
Phenolic Washer

Manufactured No

110 Each 1,311.0000

30 30 ✓ JB

Location

Loc Qty

Loc Code

ST060

1311

84361

311

84432

500

86517

500

84361

D3407-041
Tow Ring

Manufactured No

110 Each 2.0000

1 1 ✓ JB

Location

Loc Qty

Loc Code

ST463

2

82068

2

82068

D3417-5
Washer

Manufactured No

110 Each 133.0000

1 1 ✓ JB 12/07/10

Location

Loc Qty

Loc Code

ST042

133

78842

4

83318

48

84943

40

85466

41

78842

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

July-10-12 11:57:12 AM

Page 5

Work Order ID: 87041

Parent Item: D119-646-214

Start Date: 7/10/12

Required Date: 8/17/12

Parent-Item Name: Float Skidtube w/ Training Wearplates, RH

Start Qty: 1.00

Required Qty: 1.00

D3456-1 Washer Manufactured No

110 Each 215.0000

1 go

Location	Loc Qty	Loc Code
FG	7	
25701	7	
ST044	208	
80252	1	81876
81876	15	
83584	92	
85223	100	

D3417-7 Washer Manufactured No

110 Each 36.0000

1 go

Location	Loc Qty	Loc Code
ST042	36	
51645	18	51645
75054	18	

AN960JD416 Washer Purchased No

NAS1149D0463J

110 Each 29.0000

121912⁶ go 12/07/10

Location	Loc Qty	Loc Code
ST351	29	
116289	8	
119097	21	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

4.3 Float Skid tubes

Item	Qty -013	Qty -014	Qty -113	Qty -114	Qty -213	Qty -214	Qty -043	Qty -143	Qty -153	Qty -243	Qty -253	Qty -311	Part Number	Description
	X												D119-646-013	FLOAT SKIDTUBE INSTALLATION WITH WEARPADS, LH
		X											D119-646-014	FLOAT SKIDTUBE INSTALLATION WITH WEARPADS, RH
			X										D119-646-113	FLOAT SKIDTUBE INSTALLATION WITH FULL LENGTH WEARPLATES & WEARPADS, LH
				X									D119-646-114	FLOAT SKIDTUBE INSTALLATION WITH FULL LENGTH WEARPLATES & WEARPADS, RH
					X								D119-646-213	FLOAT SKIDTUBE INSTALLATION WITH TRAINING WEARPLATES, LH
						X							D119-646-214	FLOAT SKIDTUBE INSTALLATION WITH TRAINING WEARPLATES, RH
	1	1					X						D119-646-043	REPLACEMENT FLOAT SKIDTUBE WITH WEARPADS
			1	1				X					D119-646-143	REPLACEMENT FLOAT SKIDTUBE WITH FULL LENGTH WEARPLATES & WEARPADS
									X				D119-646-153	WEARPLATE KIT STANDARD SKIDTUBE
					1					X			D119-646-243	REPLACEMENT FLOAT SKIDTUBE WITH TRAINING WEARPLATES
											X		D119-646-253	TRAINING WEARPLATES FLOAT SKIDTUBE
	1	1	1	1	1	1						X	D119-646-311	GROUND HANDLING KIT
1							1						D3905-041	FLOAT SKIDTUBE ASSY. WITH WEARPAD
20								1					D3905-043	FLOAT SKIDTUBE ASSY. WITH WEARPLATE & WEARPAD
24									1				D3846-1	GASKET
25									1				D3847-043	FWD WEARPLATE ASSY
26									1				D3847-045	CENTER WEARPLATE ASSY
27									1				D3847-049	AFT WEARPLATE ASSY
28									8				D3847-1	WEARPAD
29									1				D3847-11	WEARPAD
30									42				AN3C5A	BOLT
31									42				AN960C10L	WASHER (OR NAS1149C0332R)
32														
40										1			D3905-045	FLOAT SKIDTUBE ASSY. TRAINING WEARPLATE
44											1		D3849-047	FWD TRAINING WEARPLATE ASSY
45											1		D3849-045	AFT TRAINING WEARPLATE ASSY
46											1		D3846-1	GASKET
47											1		D3846-11	GASKET
48											1		D3847-1	WEARPAD
49											1		D3847-11	WEARPAD
51											16		D3904-1	WASHER
52											8		AN3C46A	BOLT
53											8		MS21043-3	NUT
54											10		AN3C5A	BOLT
55											10		AN960C10L	WASHER (OR NAS1149C0332R)
60	2		2		2								D3883-1	SADDLE, OUTSIDE, LH
61		2		2		2							D3883-2	SADDLE, OUTSIDE, RH
62	2		2		2								D3884-1	SADDLE, INSIDE, LH
63		2		2		2							D3884-2	SADDLE, INSIDE, RH
64	16	16	16	16	16	16							D2652	BUSHING
65	8	8	8	8	8	8							AN3C50A	BOLT
66	12	12	12	12	12	12							AN4C6A	BOLT
67	8	8	8	8	8	8							MS21250-05006	BOLT
68	8	8	8	8	8	8							AN960C10L	WASHER (OR NAS1149C0332R)
69	24	24	24	24	24	24							AN960C416L	WASHER (OR NAS1149C0432R)
70	8	8	8	8	8	8							AN960C516L	WASHER (OR NAS1149C0532R)

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Revision: B
Date: 09.06.29

DART AEROSPACE USA, INC.

IIN-D119-646

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Item	Qty -013	Qty -014	Qty -113	Qty -114	Qty -213	Qty -214	Qty -043	Qty -143	Qty -153	Qty -243	Qty -253	Qty -311	Part Number	Description
71	8	8	8	8	8	8							MS21043-3	NUT
72	12	12	12	12	12	12							MS21043-4	NUT
73	12	12	12	12	12	12							D2712	SET SCREW
74	16	16	16	16	16	16							D3672-7	WASHER
75	24	24	24	24	24	24							D3672-3	WASHER
76	8	8	8	8	8	8							D3672-7	WASHER
80	1	1	1	1	1	1							D3407-041	TOW RING
81	1	1	1	1	1	1							D3417-5	WASHER
82	1	1	1	1	1	1							D3456-1	WASHER
83	1	1	1	1	1	1							MS21043-4	NUT
84	1	1	1	1	1	1							D3417-7	WASHER
90												2	D3886-041	LUG ASSEMBLY
91												8	D2652	BUSHING
92												4	AN3C46A	BOLT
93												4	AN960C10L	WASHER (OR NAS1149C0332R)
94												4	MS21043-3	NUT
100	3	3	3	3									AN3C45A	BOLT
101					(3)	(3)							AN3C50A	BOLT
102	3	3	3	3									AN3C45A	BOLT
103					(3)	(3)							AN3C46A	BOLT
104					(9)	(9)							D3904-1	WASHER
105	6	6	6	6	6	6							AN4C6A	BOLT
106	6	6	6	6	6	6							D3672-3	WASHER
107	6	6	6	6	6	6							AN960C416L	WASHER (OR NAS1149C0432R)
108	6	6	6	6	6	6							AN960JD416	WASHER (OR NAS1149C0463J)
109	12	12	12	12	(3)	(3)							AN960C10L	WASHER (OR NAS1149C0332R)
110	6	6	6	6	(6)	(6)							MS21043-3	NUT

() ITEMS IN BRACKETS ARE REF. ONLY AND DO NOT NEED TO BE INCLUDED WITH KIT.
AS THEY ARE ALREADY INSTALLED ON SKIDTUBE.






















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Revision: **B**
Date: 09.06.29

Item ID: D119-646-214

BOM Type: Production

Status	Item ID	Rev	Name	Start Date	Quantity	Pe	UOM	Scrap %	Route Seq	II	Sort	Comments	Date Last Mod	Stop Date
	AN3C50A		Bolt	8/21/2009	8.0000		Each	0 %	110		6		12/5/2009 6:...	
	AN4C6A		Bolt	8/21/2009	18.0000		Each	0 %	110		7		12/5/2009 6:...	
	AN960C10L		washer	8/21/2009	8.0000		Each	0 %	110		9		7/23/2012 1:...	
	AN960C416L		WASHER	8/21/2009	30.0000		Each	0 %	110		10		12/5/2009 6:...	
	AN960C516L		WASHER	8/21/2009	8.0000		Each	0 %	110		11		12/5/2009 6:...	
	AN960JD416		Washer	8/21/2009	6.0000		Each	0 %	110		22		12/5/2009 6:...	
	D119-646-243		Replacement Float Skidtube w/ Training...	12/5/2009	1.0000		Each	0 %	110		1		12/5/2009 6:...	
	D119-646-311		Ground Handling	12/5/2009	1.0000		Each	0 %	110		2		12/5/2009 6:...	
	D2652		Bushing	12/5/2009	16.0000		Each	0 %	110		5		12/5/2009 8:...	
	D2712		Set Screw	12/5/2009	12.0000		Each	0 %	110		14		12/5/2009 8:...	
	D3407-041		Tow Ring	12/5/2009	1.0000		Each	0 %	110		17		12/5/2009 8:...	
	D3417-5		Washer	12/5/2009	1.0000		Each	0 %	110		18		12/5/2009 8:...	
	D3417-7		Washer	12/5/2009	1.0000		Each	0 %	110		20		12/5/2009 6:...	
	D3456-1		Washer	12/5/2009	1.0000		Each	0 %	110		19		12/5/2009 8:...	
	D3672-3		Phenolic Washer	12/5/2009	30.0000		Each	0 %	110		16		12/5/2009 8:...	
	D3672-7		Phenolic Washer	12/5/2009	24.0000		Each	0 %	110		15		12/5/2009 8:...	
	D3883-2		Saddle, Outboard RH	12/5/2009	2.0000		Each	0 %	110		3		12/5/2009 7:...	
	D3884-2		Saddle, Inboard RH	12/5/2009	2.0000		Each	0 %	110		4		12/5/2009 7:...	
	MS21043-3		Nut	8/21/2009	8.0000		Each	0 %	110		12		12/5/2009 6:...	
	MS21043-4		Nut	8/21/2009	13.0000		Each	0 %	110		13		12/5/2009 6:...	
	MS21250-05-006		BOLT	8/21/2009	8.0000		Each	0 %	110		8		12/5/2009 6:...	